



Loa Fish Hatchery



Utah Department of Natural Resources

Utah Division of Wildlife Resources

Fishing is a quality-of-life activity in Utah




In 2018, fishing contributed \$1.1 billion and added 7,562 jobs to Utah's economy. This includes \$626 million spent by 578,265 anglers while fishing in the state.





Hatchery raised fish are essential

- ☐ Increase angler satisfaction
 - ☐ Aid in angler recruitment and retention efforts
 - ☐ The number of Urban fishing waters continue to increase
 - ☐ Community fishing programs are completely dependent on hatchery fish
 - ☐ A key to effective fisheries management
 - ☐ Support population management
 - ☐ Enable greater aquatic biodiversity
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Loa can be one of the most important hatcheries in Utah

- In November 2014, the hatchery was closed due to:
 - Discovery of New Zealand mud snails
 - Originally constructed in 1936, the facility is not capable of being upgraded
- Cannot securely raise fish free from disease or invasive aquatic species
- The volume and quality of water make it an essential facility to meet future angling needs and desires
- This priceless asset is currently inoperable



Need to rebuild the hatchery

- Currently operating hatcheries are producing fish in excess of design
 - Production beyond design can cause fish health issues
- Current production not able to meet the demands of fisheries management plans
- Additional fish production necessary for expected human population increase
- Operating hatcheries are scheduled to receive biosecurity upgrades and maintenance through the DWR Hatchery Maintenance account
 - Necessary work but will reduce production capacity

2019 feasibility study

DWR and DFCM contracted with Sunrise Engineering for programming and concept design



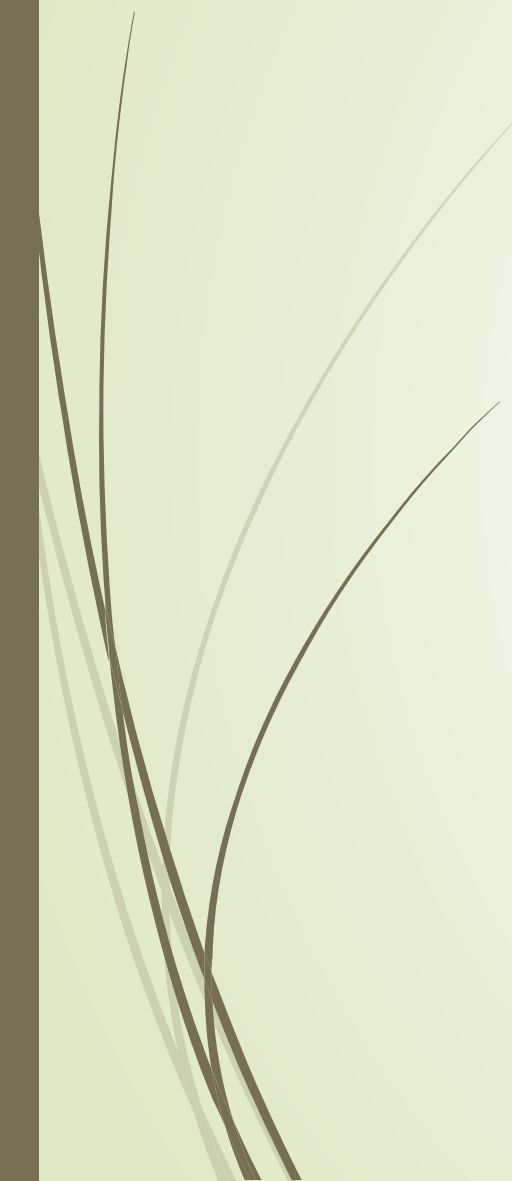
LOA FISH HATCHERY PROGRAMMING AND
CONCEPT DESIGN

LOA, UTAH

DRAFT

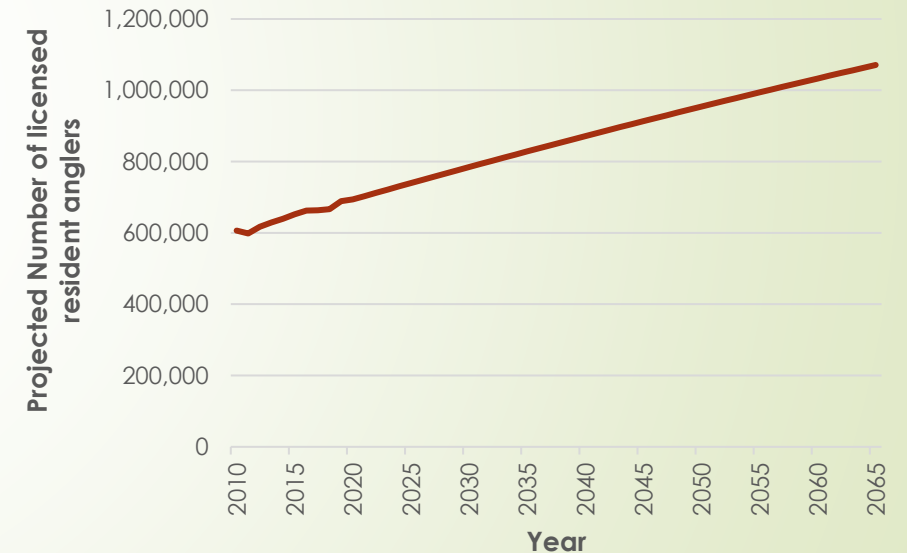


A new Loa Hatchery

- A new facility with modern equipment, materials and design will:
 - Produce 350,000 pounds of fish annually
 - Be the most productive and cost effective hatchery in Utah
 - Have a secure water source, hatchery building and raceways
 - Fish will be free from disease and aquatic invasive species
 - Other hatcheries will be able to operate at designed production levels
 - DWR will be able to meet the needs of current and future anglers
 - Hatcheries will satisfy the requirements for healthy fisheries management
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Need for Increased Fish Projection to Keep with Population Growth

- Given Utah population growth projections and license sales trends, predict 10% increase in anglers by 2025 and 25% increase by 2050
- Current fish production capacity (1,160,000 pounds annually) is not sufficient to continue to provide quality fisheries into the future
- Loa reconstruction would increase fish production by 30%, enough to keep up with predicted increases in licensed anglers





Design costs

Pre-Design/ Planning:	\$145,000
Design:	\$2,170,468
Total design:	\$2,315,468





Cost to rebuild the hatchery

Total cost estimate:	\$34,099,192
Total spent:	\$130,000
Total request:	\$33,969,192

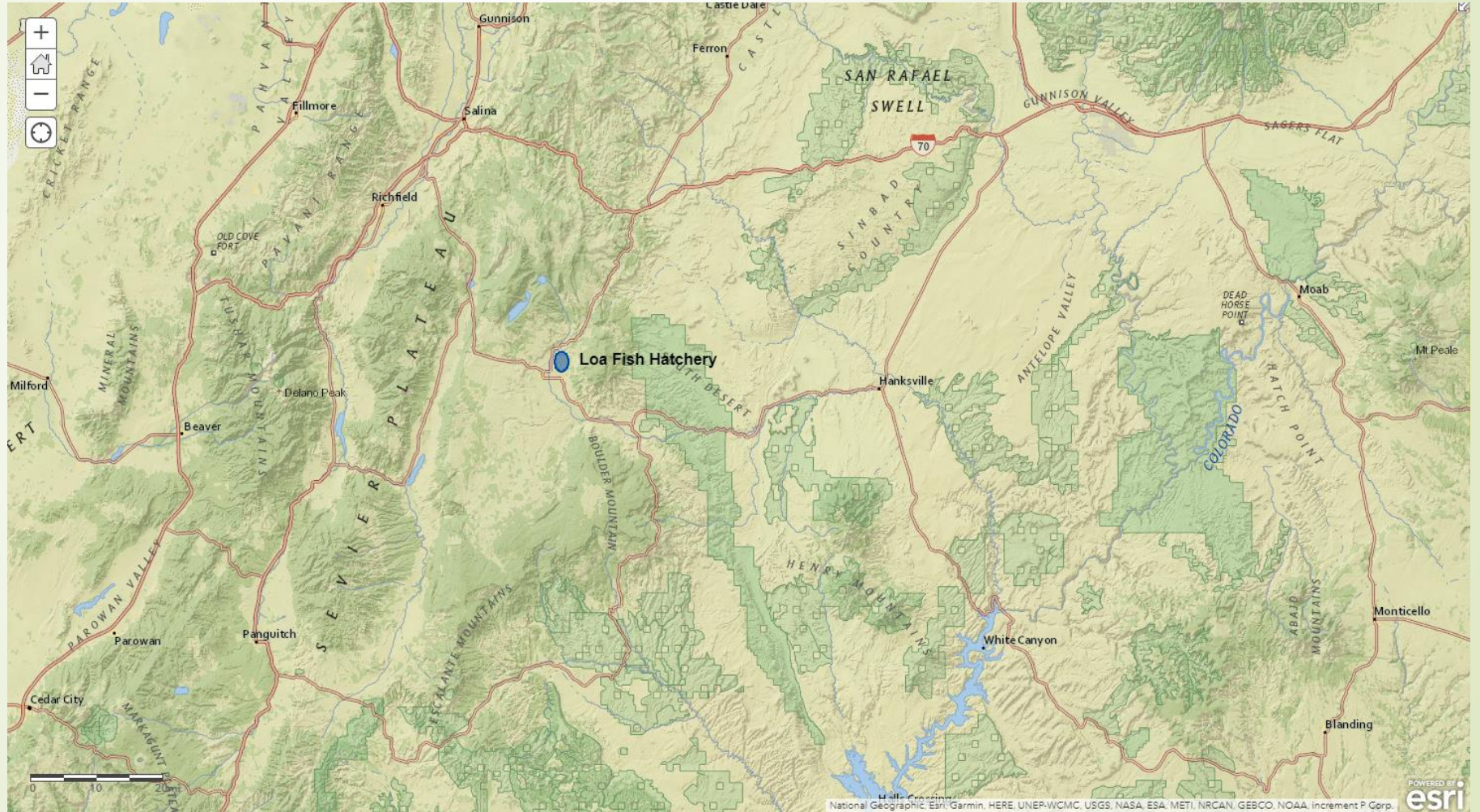
Construction costs:	\$28,461,827
Cost per Square Foot:	\$226.20

Soft Costs:	\$5,637,365
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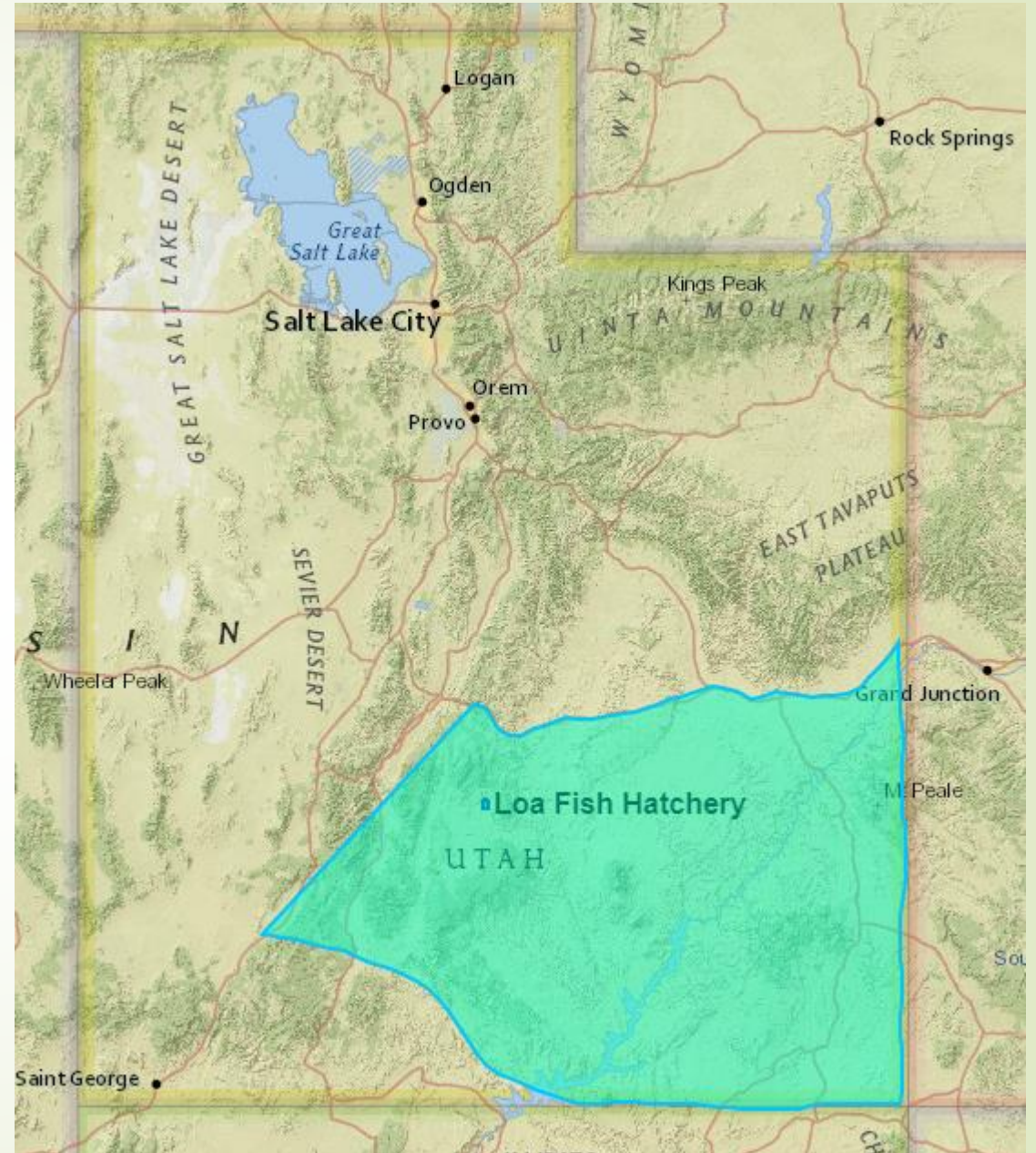
Statewide map
showing location
of Loa



Closer up view of hatchery location



Statewide view of stocking area





Major Waters Stocked by Loa

Fish Lake	Blanding City Reservoir #3
Otter Creek Reservoir	Blanding City Reservoir #4
Minersville Reservoir	Tropic Reservoir
Boulder Mountains	Lloyds Lake
Mill Meadow Reservoir	Rex Reservoir
Forsyth Reservoir	Annabella Reservoir
Koosharem Reservoir	Deep Lake
Johnson Reservoir	Kens Lake
Wide Hollow Reservoir	Barney Lake
Manning Meadow Reservoir	Pine Lake



Rural Economic Impact



- 6 full-time, year-round jobs will be created
 - Employing 6 people in Wayne County has the same impact as employing 1266 people on the Wasatch Front
 - An average yearly income in Wayne County is \$33,852, but employees of the Loa Hatchery would be paid approx. \$47,000
 - \$283,000 will enter the local economy because of these six jobs, supporting rural families and businesses

Data provided by the Department of Workforce Services, the Governor's Office of Economic Development, and Bureau of Labor Statistics



Rural Economic Impact



- 2 seasonal jobs will be created annually
 - \$30,000 will enter the local economy because of these two jobs, supporting rural families and businesses
- 15-20 construction jobs will be created over 1-2 years
- \$388,000 would be required annually for operating the hatchery, part of which will be spent in Wayne County

Data provided by the Department of Workforce Services, the Governor's Office of Economic Development, and Bureau of Labor Statistics

Thank you. Questions?



Closer up view
Of stocking area

